

RELATED ART

FIG.1

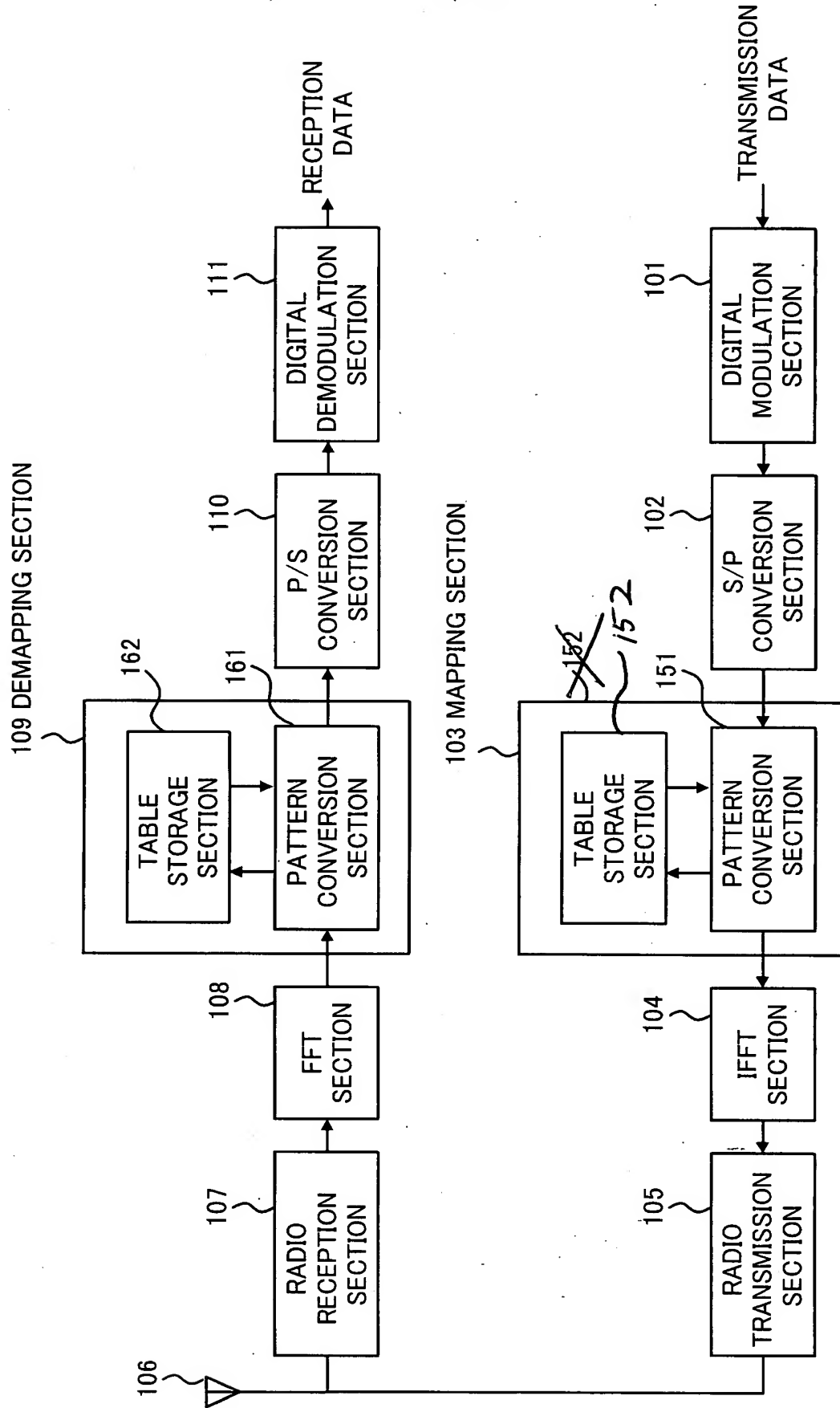


FIG.2

FIG. 5

7/30

PRE-CONVERSION OFDM SYMBOL PATTERN					POST-CONVERSION OFDM SYMBOL PATTERN				
f1	f2	f3	f4	f5	f1	f2	f3	f4	
+1	+1	+1	+1	+1	+1	+1	+1	0	
+1	+1	+1	+1	-1	+1	+1	-1	0	
+1	+1	+1	-1	+1	+1	-1	+1	0	
+1	+1	+1	-1	-1	+1	-1	-1	0	
+1	+1	-1	+1	+1	-1	+1	+1	0	
							...		
-1	-1	-1	-1	-1	0	-1	-1	-1	

FIG.7

10/30

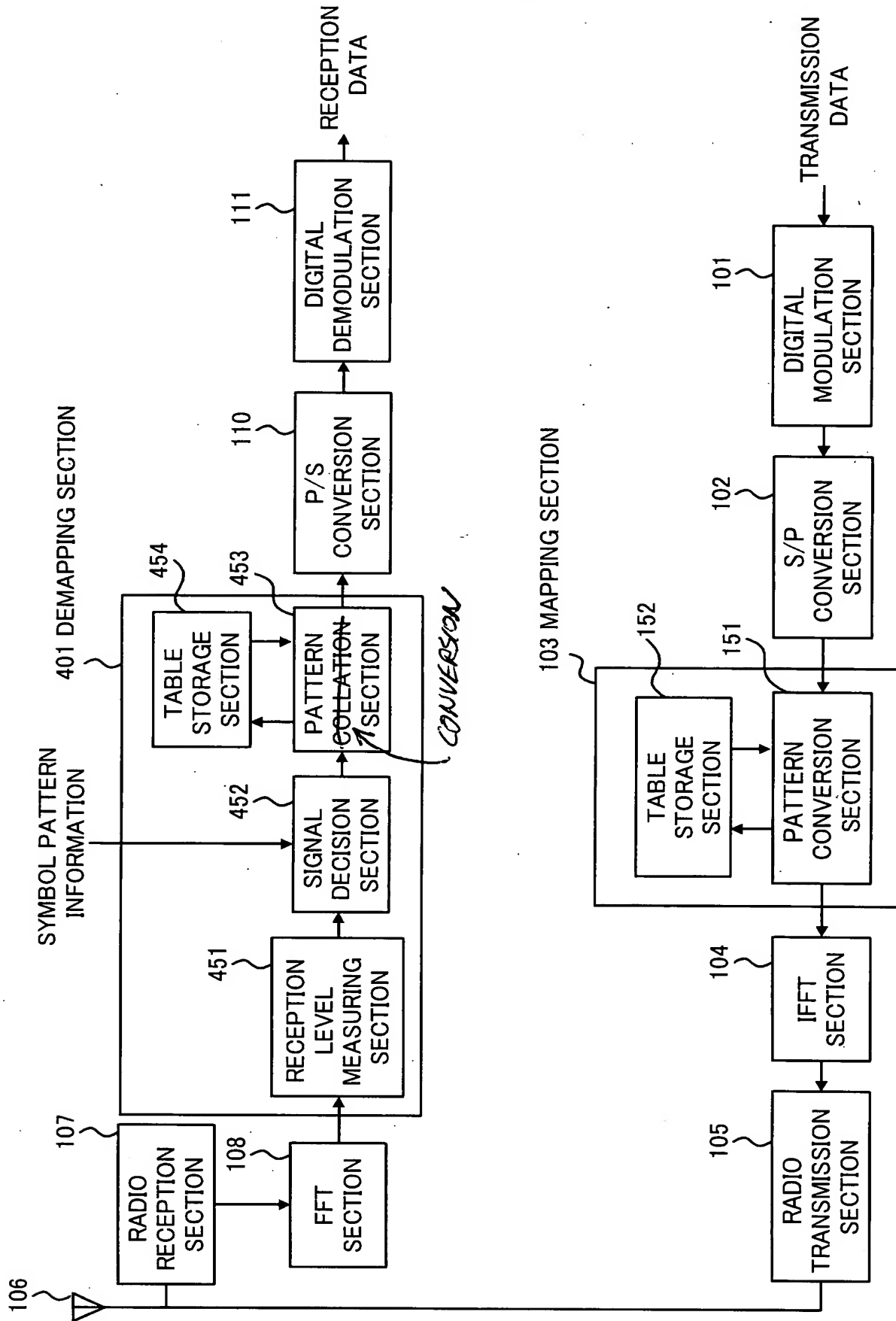


FIG.10

POST-CONVERSION OFDM
SYMBOL PATTERN

PRE-CONVERSION OFDM
SYMBOL PATTERN

		PRE-CONVERSION OFDM SYMBOL PATTERN				POST-CONVERSION OFDM SYMBOL PATTERN			
		f1	f2	f3	f4	f1	f2	f3	f4
PN1		+1	+1	+1	+1	+1	+1	+1	0
PN1		+1	+1	+1	+1	+1	+1	-1	0
PN2		+1	+1	+1	-1	+1	-1	+1	0
PN2		+1	+1	+1	-1	+1	-1	-1	0
PN3		+1	+1	-1	+1	-1	+1	+1	0
PN3		+1	+1	-1	+1	-1	+1	-1	0
PN4		+1	+1	-1	-1	-1	-1	+1	0
PN4		+1	+1	-1	-1	-1	-1	-1	0
				
PN16		-1	-1	-1	-1	0	-1	-1	+1
PN16		-1	-1	-1	-1	0	-1	-1	-1
									P31
									P32

FIG.13

PRE-CONVERSION OFDM SYMBOL PATTERN		POST-CONVERSION OFDM SYMBOL PATTERN			
		f1	f2	f3	f4
PN1	+1	+1	+1	+1	0
PN1	+1	+1	+1	0	+1
PN2	+1	+1	-1	+1	0
PN2	+1	+1	-1	0	+1
PN3	+1	+1	+1	+1	0
PN3	+1	+1	+1	0	+1
PN4	+1	+1	-1	+1	0
PN4	+1	+1	-1	0	+1
...		...			
PN16	-1	-1	-1	-1	-1
PN16	-1	-1	-1	-1	-1
		0	-1	-1	-1
		-1	0	-1	-1
					P32
					P24

FIG.14

PRE-CONVERSION OFDM
SYMBOL PATTERN

POST-CONVERSION OFDM
SYMBOL PATTERN

PRE-CONVERSION OFDM
SYMBOL PATTERN

	f1	f2	f3	f4	f5	f6	
PN1	+1	+1	+1	+1	+1	0	P101
PN2	+1	+1	+1	-1	-1	0	P102
PN3	+1	+1	-1	+1	+1	0	P103
PN4	+1	+1	-1	-1	-1	0	P104
PN5	+1	-1	+1	+1	0	+1	P105
PN6	+1	-1	+1	-1	0	-1	P106
PN7	+1	-1	-1	+1	0	+1	P107
PN8	+1	-1	-1	-1	0	-1	P108
...							
PN15	-1	-1	-1	+1	+1	0	P115
PN16	-1	-1	-1	-1	-1	0	P116

FIG.16

PRE-CONVERSION OFDM SYMBOL PATTERN POST-CONVERSION OFDM SYMBOL PATTERN

PRE-CONVERSION OFDM SYMBOL PATTERN									POST-CONVERSION OFDM SYMBOL PATTERN								
f1	f2	f3	f4	f5	f6	f7	f8		f1	f2	f3	f4	f5	f6	f7	f8	
PN1	+1	+1	+1	+1	+1	+1	+1		+1	+1	+1	+1	+1	+1	0	0	P101
PN2	+1	+1	+1	+1	+1	+1	-1		+1	+1	+1	+1	+1	-1	0	0	P102
PN3	+1	+1	+1	+1	+1	+1	-1		+1	+1	+1	+1	-1	+1	0	0	P103
PN4	+1	+1	+1	+1	+1	+1	-1		+1	+1	+1	+1	-1	-1	0	0	P104
...									...								
PN65	+1	-1	+1	+1	+1	+1	+1		+1	+1	+1	+1	0	0	+1	+1	P165
PN66	+1	-1	+1	+1	+1	+1	-1		+1	+1	+1	+1	0	0	+1	-1	P166
PN67	+1	-1	+1	+1	+1	+1	-1		+1	+1	+1	+1	0	0	-1	+1	P167
PN68	+1	-1	+1	+1	+1	+1	-1		+1	+1	+1	+1	0	0	-1	-1	P168
...									...								
PN255	-1	-1	-1	-1	-1	-1	+1		0	0	-1	-1	-1	-1	+1		P355
PN256	-1	-1	-1	-1	-1	-1	-1		0	0	-1	-1	-1	-1	-1		P356

FIG.18

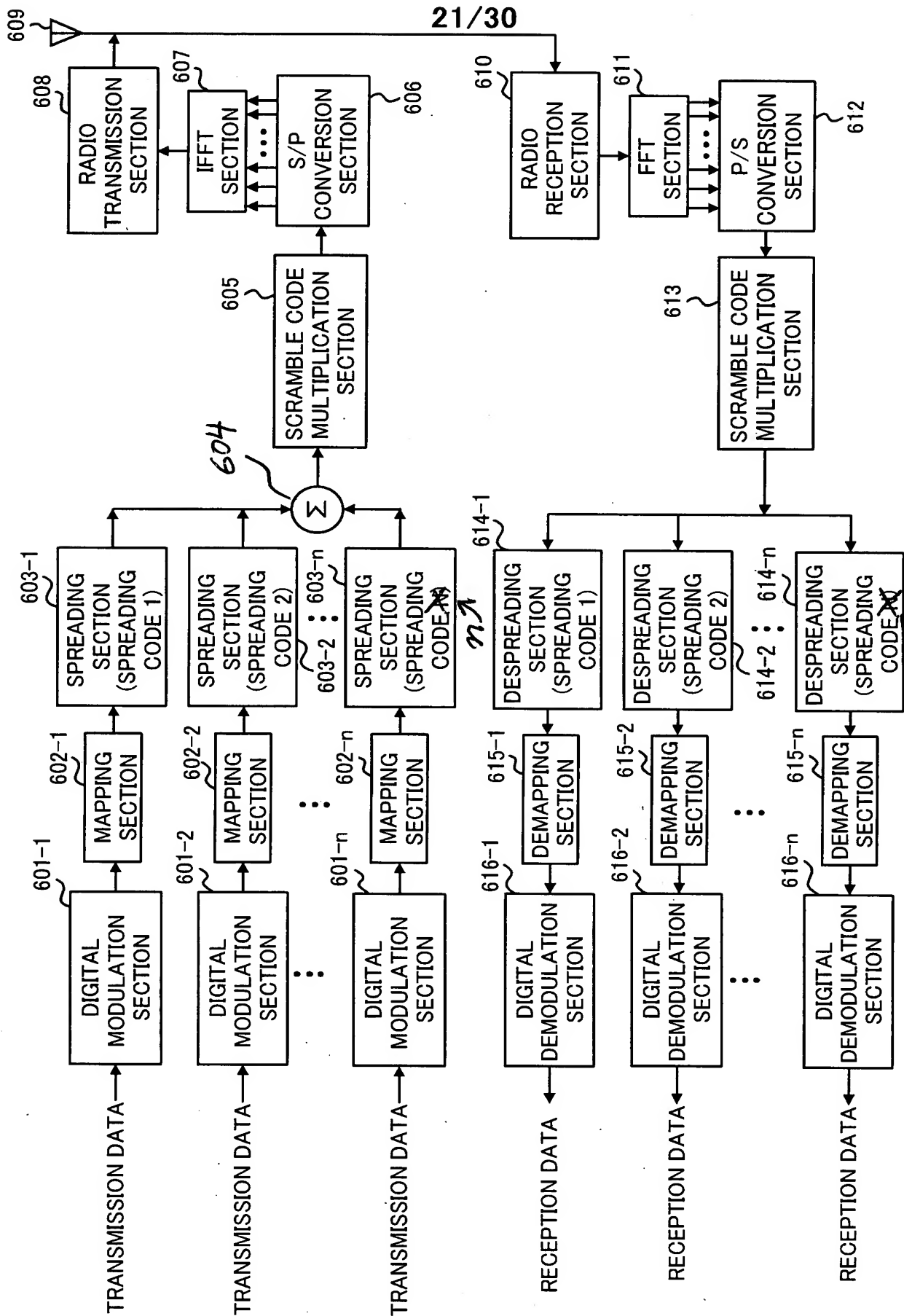


FIG. 21

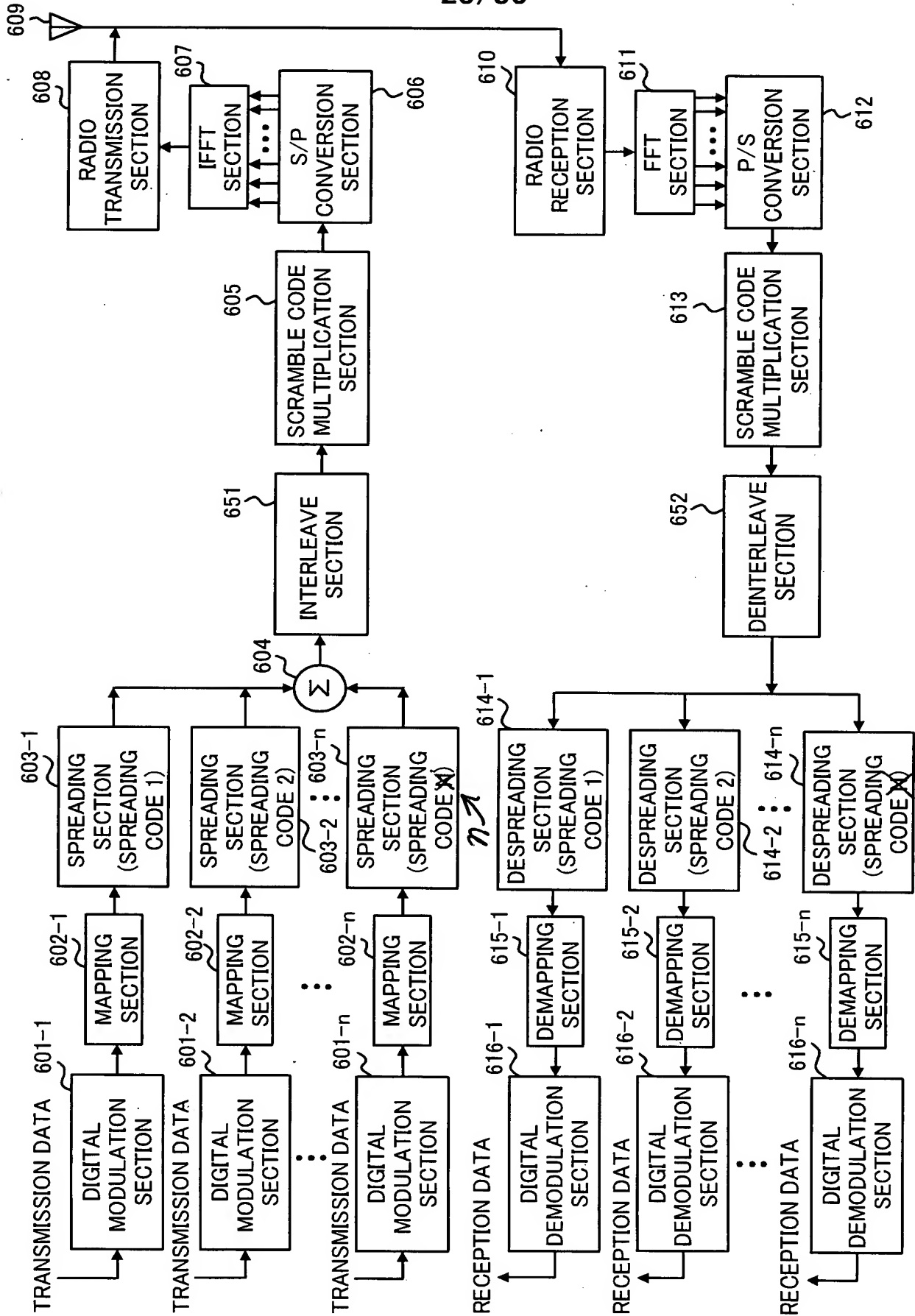


FIG.23

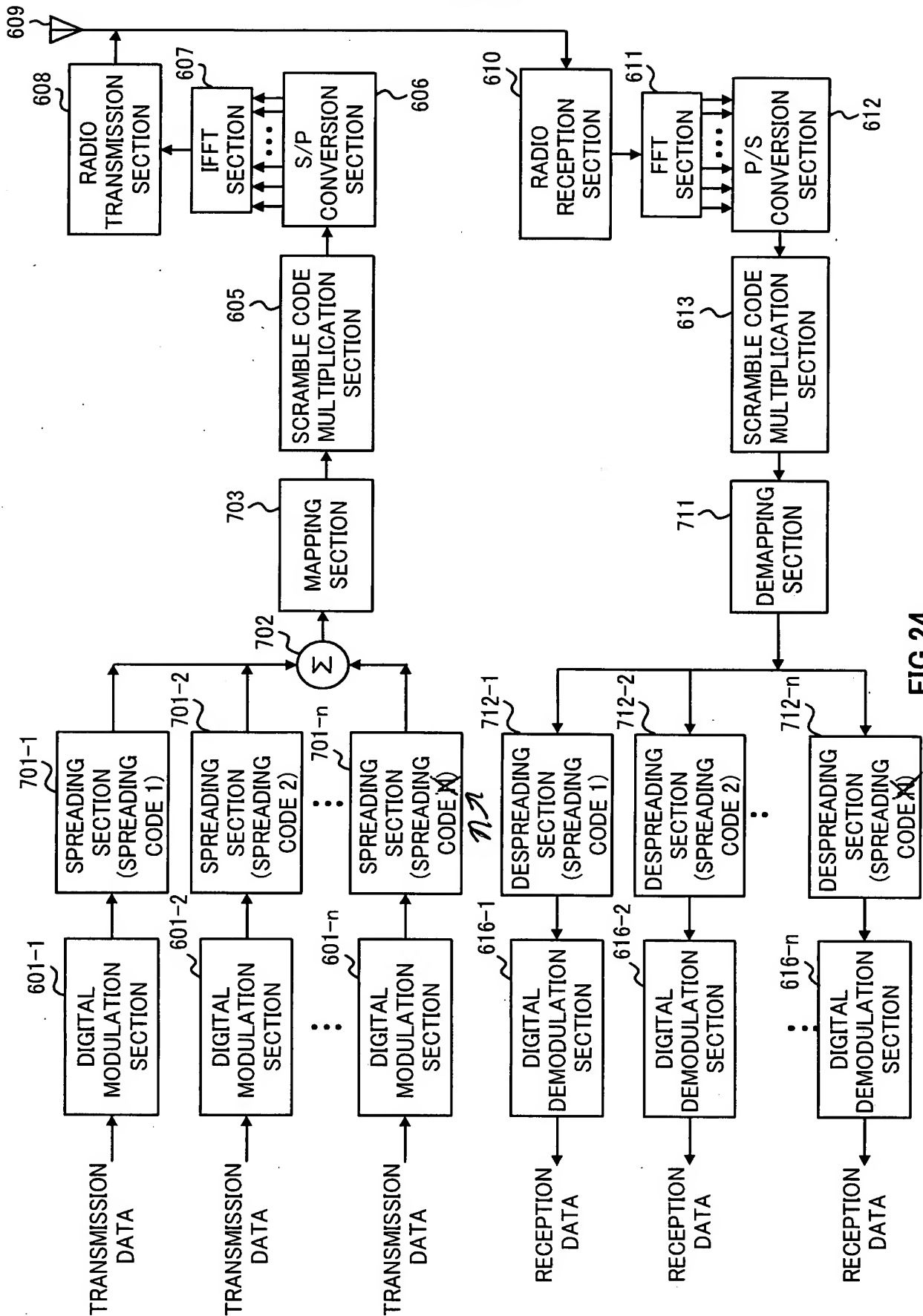


FIG. 24

25/30

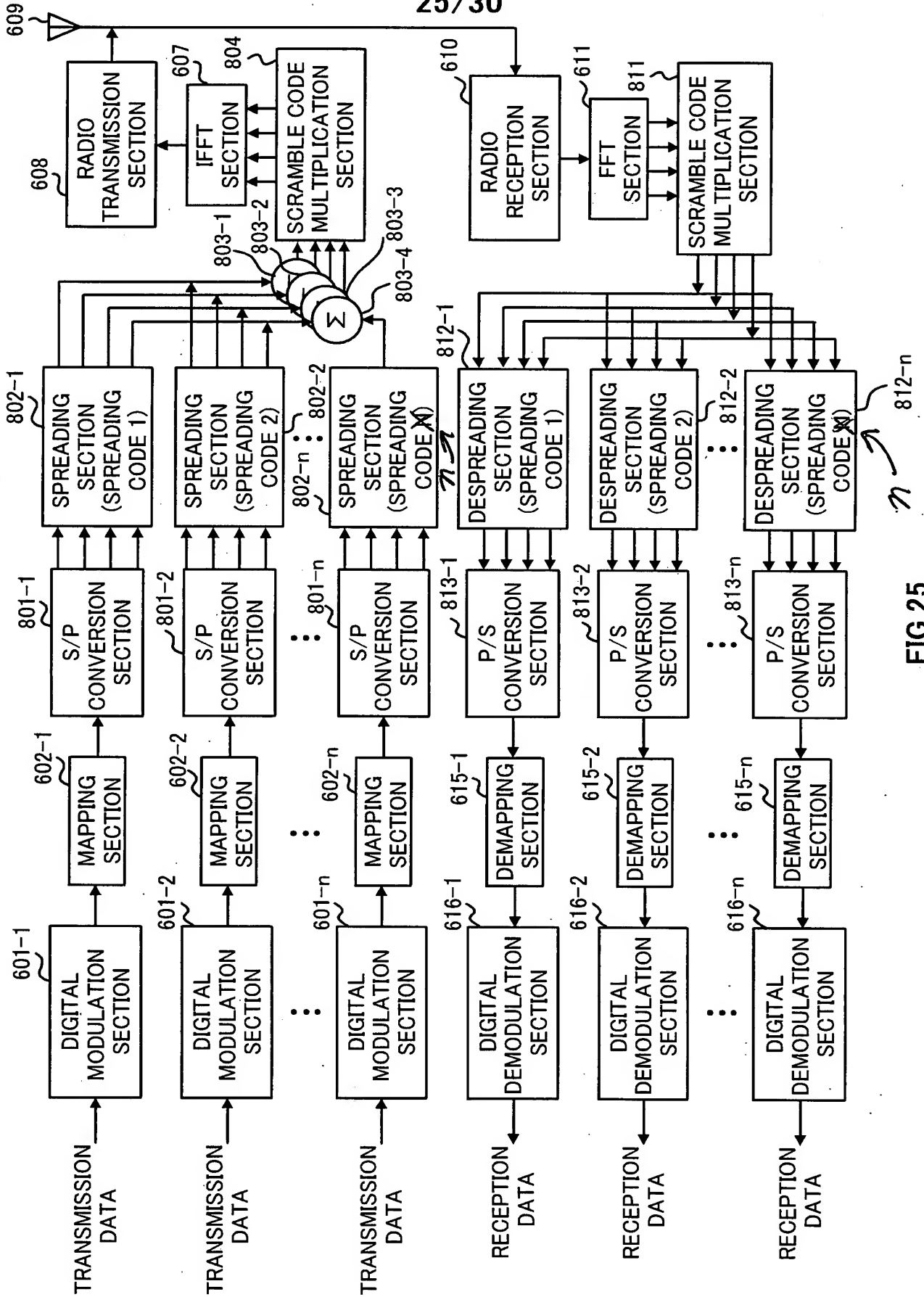


FIG. 25

MARKED-UP SHEET

26/30

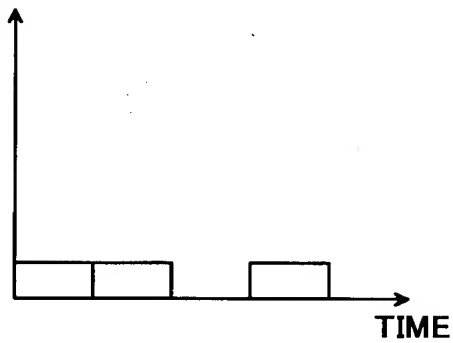


FIG. 26A

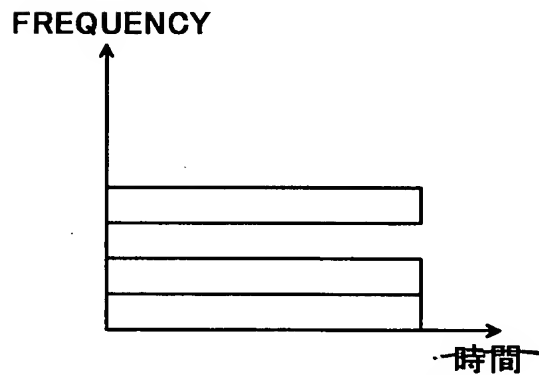


FIG. 26B

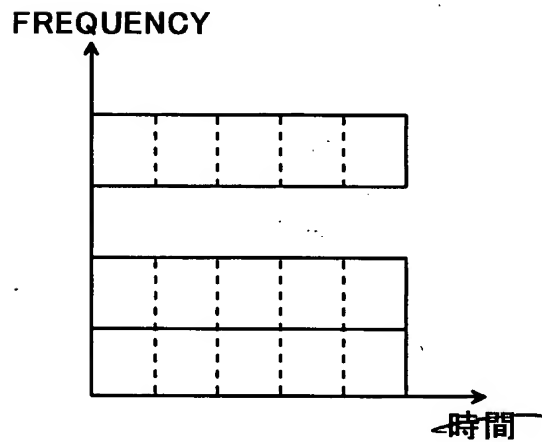


FIG. 26C

27/30

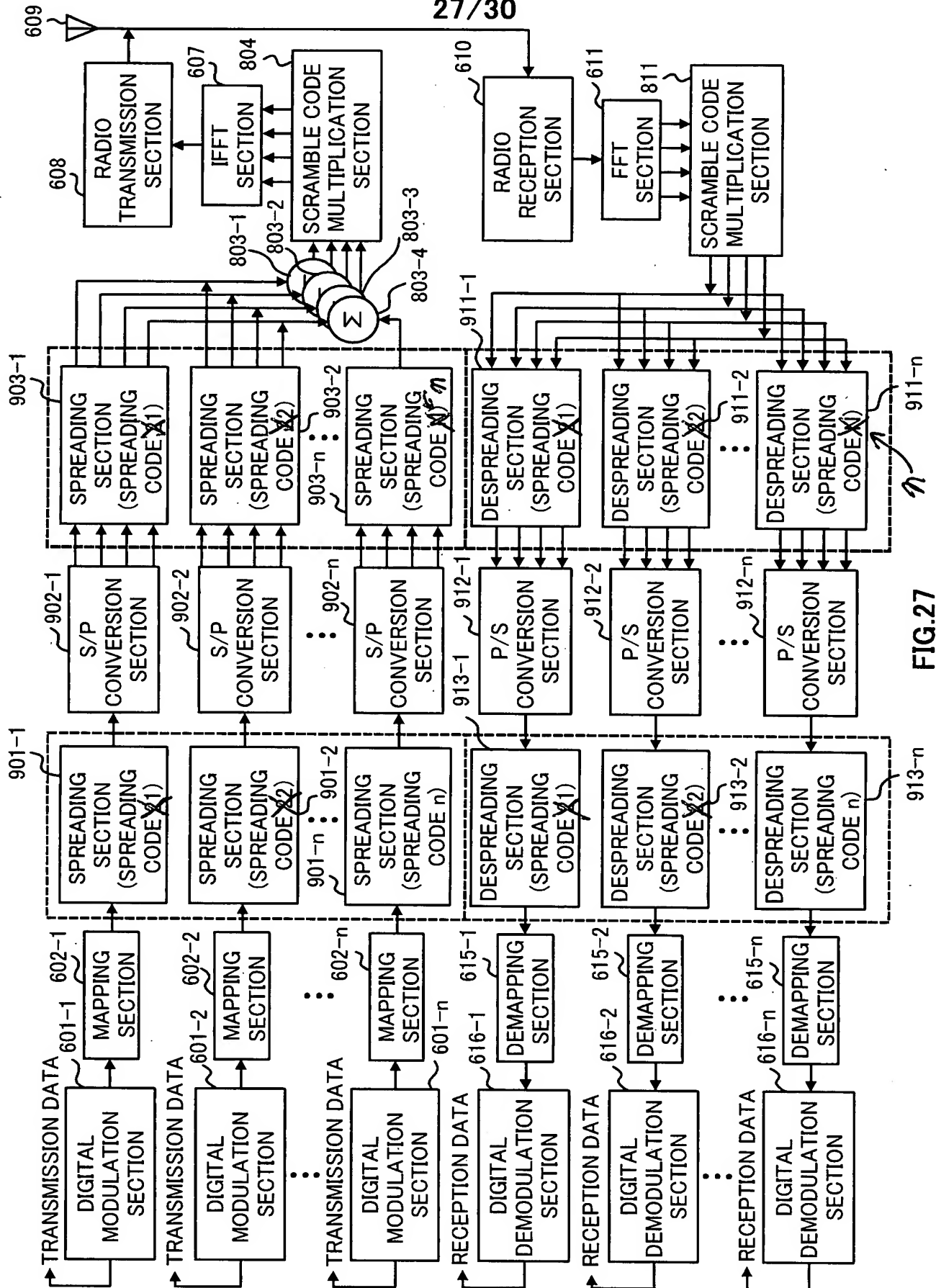


FIG. 27